

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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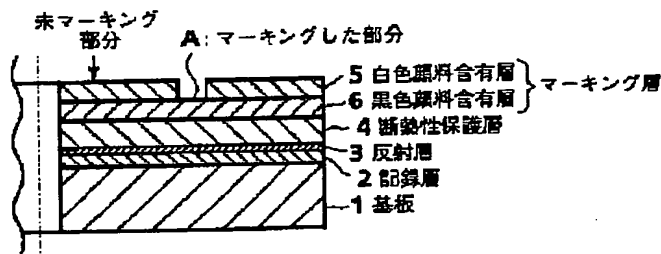
APPLICATION DATE : 18-09-98  
APPLICATION NUMBER : 10283411

APPLICANT : FUJI PHOTO FILM CO LTD;

INVENTOR : USAMI YOSHIHISA;

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TITLE : OPTICAL INFORMATION RECORDING  
MEDIUM AND METHOD FOR MARKING  
THIS OPTICAL INFORMATION  
RECORDING MEDIUM



ABSTRACT : PROBLEM TO BE SOLVED: To provide an optical information recording medium formed in such a manner that signs, such as bar codes, may be imparted by a laser beam to the front surface on the protective layer side of the optical information recording medium without degrading its recording characteristics, etc., and these signs may be optically read.

SOLUTION: The optical information recording medium is constituted by laminating a recording layer 12, a reflection layer 3 and the protective layer 4 in this order on a disk-shaped transparent substrate 1. The protective layer 4 is formed as a thermally insulative protective layer and has a region of  $\geq 50\%$  in diffusion reflectivity to the laser beam for reading on the surface of the protective layer 4. More particularly, the surface of the thermally insulative protective layer is separately provided with a marking layer. This marking layer comprises two layers; a white pigment-containing layer 5 and a black pigment-containing layer 6. The optical information recording medium is so constituted that a specified or higher contrast may be obtained on the diffusion reflectivity on the surfaces of the marked portion and the unmarked portion.

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